



### District Report Card: 2017


<b>State:</b> West Bengal	<b>District:</b> North Twenty Four Pargana
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 50	<b>Students:</b> 1097


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	466		42.48		631		57.52	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	722		65.82		375		34.18	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	266	24.25	49	4.47	226	20.60	556	50.68

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	1	0	1	1	0

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	484		44.12	613		55.88

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>33.93</b>	<b>36.64</b>	<b>31.94</b>	<b>33.34</b>	<b>35.08</b>	<b>31.56</b>	<b>35.81</b>	<b>35.84</b>	<b>38.64</b>	<b>32.21</b>	<b>33.31</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	26.73
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	33.09
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	32.12
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	29.27
M702	Interprets the division and multiplication of fractions	34.55
M705	Solves problems related to daily life situations involving rational numbers	25.25
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	20.66
M707	Adds/subtracts algebraic expressions	48.31
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	24.31
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.45
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	44.63
M721	Interprets data using bar graph	47.17
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	19.38
M802	Finds rational numbers between two given rational numbers	37.66
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	29.82
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	31.26
M808	Uses various algebraic identities in solving problems of daily life	50.46
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	28.29
M818	Finds surface area and volume of cuboidal and cylindrical object	28.15
M819	Draws and interprets bar charts and pie charts	38.65

### Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
518	47.22	401	36.55	137	12.49	41	3.74

## Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (19.38)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (20.66)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (24.31)

4 - Solves problems related to daily life situations involving rational numbers (25.25)

5 - Solves problems involving large numbers by applying appropriate operations (26.73)